

ISO 28763:2019-08 (E)

Vitreous and porcelain enamels - Regenerative, enamelled and packed panels for air-gas and gas-gas heat exchangers - Specifications

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Steel substrates	2
4.1	Delivery	2
4.2	Analysis	2
4.3	Hydrogen permeability	2
4.4	Fish scaling test	2
4.5	Pickling speed	3
5	Enamel frit	3
5.1	Delivery	3
5.2	Coefficient of expansion	3
5.3	Fusion flow	3
5.4	Boiling-water (vapour phase) resistance	3
5.5	Acid resistance	3
5.6	Thermal-shock resistance	3
5.7	Adherence	4
6	Characteristics of the enamel coating	4
6.1	Adherence	4
6.2	Thickness	4
6.3	Thermal-shock resistance	5
6.4	Fundamental defects	5
6.5	Open defects	5
6.6	Edge covering of gas-gas heaters	6
6.7	Boiling sulfuric acid resistance	6
6.8	Rework	6
7	Characteristics after packing	6
7.1	Packing pressure	6
7.2	Visual examination	6
7.3	Edge covering of gas-gas heaters	7
8	Documentation	7
Annex A (normative)	Method for determining thermal-shock resistance of vitreous or porcelain enamel coatings	8